

MX 5000 Series Adhesive Application System



Flexible and expandable adhesive dispensing system for the manufacturing of nonwovens disposables.

The Nordson MX 5000 series melters are designed to meet the high requirements of the nonwovens disposables industry of today – and tomorrow. The flexible and expandable concept of this series allows easy upgrades for future applications in your products.

Precise metering saves costs

The key to control costs in adhesive application is precise metering. With a range of more than 25 different gear pumps, the MX 5000 series has the right pump displacement for any application. The dual stream pump capability of the MX 5200 melters offers the perfect solution for symmetrical applications that require identical adhesive coatings. Optional high end metering pumps provide outstanding control of add-on weights, even with low application weights or adhesives with low viscosities.

Control systems that match your production machine

The choice of different control systems allows to meet individual production needs perfectly: from a locally operated MX 5000 unit with CS 20 – Nordson's proven control system for hot melt applicators – to fully integrated, remotely controlled system solutions with programmable logic control (PLC) components from leading industry suppliers.



Improved handling by superior design

The access to the tank from the side makes refilling easier. Heated hoses can be easily routed in all directions. And the integrated air purge valves simplify to flush entrapped air out of the system after filter changes without removing the hoses.

Simplified maintenance helps reduce downtime

Removable panels and a modular design make all service areas of the system easily accessible and simplify parts changes. The motors



are mounted on sliding plates that can be pulled out for convenient access. Release-coated tank surfaces ease adhesive cleanup jobs.

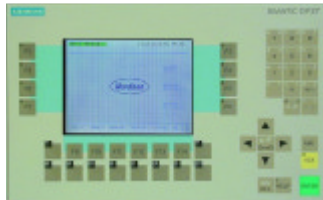
Features and benefits

- Choice of different control systems for seamless integration into your production machine.
- Wide range of single and dual stream gear pumps for precise adhesive metering.
- Heat exchanger keeps the electrical cabinet cool and clean.
- Pump shut off valve for quick pump changes.
- Wide choice of options for additional process control include
 - level control,
 - warning light tower,
 - digital pressure display,
 - pneumatic bypass.

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Nordson CS 20

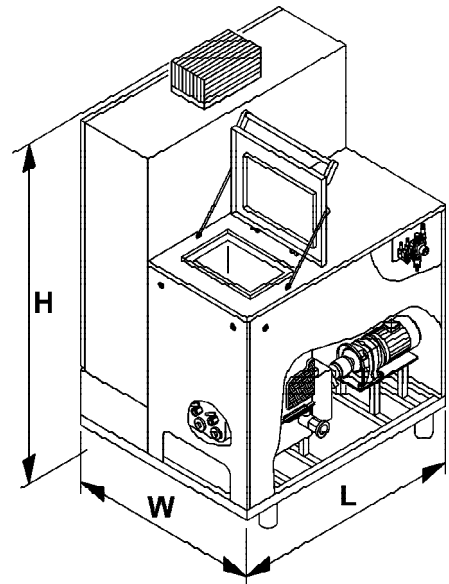


Siemens PLC



Rockwell PLC

Wide choice of control systems to meet production needs.



Specifications

MX 5000	MX 5124 / MX 5224	MX 5160 / MX 5260	MX 51110 / MX 52110
Tank Capacity	24 kg 53 lb	60 kg 132 lb	110 kg 242 lb
Hopper opening dimensions	148 x 345 mm 5.8 x 13.5 in	286 x 345 mm 11.2 x 13.5 in	286 x 633 mm 11.2 x 24.9 in
System melt rate	20 kg/h 44 lb/h	40 kg/h 88 lb/h	80 kg/h 176 lb/h
Max. unit power consumption *	4 700 W	6 600 W	13 300 W
Unit dimensions, L x W x H	1200 x 1004 x 1810 mm 47.3 x 39.6 x 71.3 in		1200 x 1254 x 1810 mm 47.3 x 49.4 x 71.3 in
Electrical service	230 V _{AC} 3 ph, Δ 400 V _{AC} 3 ph, Y 50/60 Hz		
Operating temperature range	35 - 200 °C (230 °C for external channels) 95 - 292 °F (446 °F for external channels)		
Operating pressure	5 to max. 70 bar / 0.5 to max. 7 MPa 73 to max. 1016 psi		
Max. number of pumps Pump type Max. number of hoses	MX 5100	MX 5200	
	4	3	
	Single stream	Single / dual stream	
	4	6	
Hose sizes	8 mm / 5/6 in ID 13 mm / 1/2 in ID (for Fe/Ko and Pt100) 16 mm / 5/8 in ID (for Ni120)		

*Unit only, without attached heated hoses or application heads

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